NC/QC/YD/2019-20/W4-AK-CB4 **Date: 19-12-2019**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	12-12-19	19-12-19	07	22500	555	24.67	**24.15**
	002	"	"	"	"	535	23.78	
	003	"	"	"	"	540	24.00	

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

NEWZEN CONSULTANT * BANGALORE * NEWZEN

KIRAN. R
M.E, (Civil-Engg)

NC/QC/YD/2019-20/W4-AK-CB5 Date: 20-12-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	13-12-19	20-12-19	07	22500	530	23.56	**23.93**
	002	"	"	"	"	545	24.22	
	003	"	"	"	"	540	24.00	

NEWZEN CONSULTANT * BANGALORE *

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ ಕಛೇರಿ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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NC/QC/YD/2019-20/W4-AK-CB7 Date: 24-12-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	17-12-19	24-12-19	07	22500	545	24.22	24.15
	002	"	"	"	"	535	23.78	
	003	"	"	"	"	550	24.44	

NEWZEN CONSULTANT * BANGALORE *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-AK-CB10 Date: 27-12-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-12-19	27-12-19	07	22500	545	24.22	**23.85**
	002	"	"	"	"	530	23.56	
	003	"	"	"	"	535	23.78	

NEWZEN CONSULTANT * BANGALORE *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-AK-CB5A

Date: 10-01-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	13-12-19	10-01-20	28	22500	730	32.44	33.04
	002	"	"	"	"	740	32.89	
	003	"	"	"	"	760	33.78	

NEWZEN CONSULTANT BANGALORE

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EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-AK-CB6A

Date: 13-01-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-12-19	13-01-20	28	22500	745	33.11	33.33
	002	"	"	"	"	755	33.56	
	003	"	"	"	"	750	33.33	

NEWZEN CONSULTANT BANGALORE

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EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-AK-CB9A

Date: 16-01-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	19-12-19	16-01-20	28	22500	740	32.89	33.41
	002	"	"	"	"	760	33.78	
	003	"	"	"	"	755	33.56	

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EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-AK-CB10A

Date: 17-01-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	20-12-19	17-01-20	28	22500	750	33.33	**32.81**
	002	"	"	"	"	740	32.89	
	003	"	"	"	"	725	32.22	

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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NEWZEN CONSULTANT * BANGALORE *

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NC/QC/YD/2019-20/W4-AK-PCC2 Date: 28-11-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	65.30	0 -20	30- 70
10mm	39.10	0 -5	10- 35
4.75mm	3.75	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.40	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	81.65	60-95	75-100	85-100	
01.18	76.90	30-70	55-90	75-100	
600.mic	40.25	15-34	35-59	60-79	
300.mic	24.10	5-20	8-30	12-40	
150.mic	7.80	0-10	0-10	0-10	

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NEWZEN CONSULTANT * BANGALORE *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-AK-PCC3 Date: 03-12-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	59.20	0 -20	30- 70
10mm	22.75	0 -5	10- 35
4.75mm	4.30	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.30	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	86.05	60-95	75-100	85-100	
01.18	74.60	30-70	55-90	75-100	
600.mic	41.75	15-34	35-59	60-79	
300.mic	16.90	5-20	8-30	12-40	
150.mic	6.65	0-10	0-10	0-10	

NEWZEN CONSULTANT * BANGALORE *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-AK-C1 Date: 11-11-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	159 min	Shall not be less than 30 min
2	Final setting time	280 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.01 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	1.97 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.14 N/Sq mm	Shall not be less than 27 N/Sqmm

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Page No. 1/1,

KIRAN. R
M.E, (Civil-Engg)

NC/QC/YD/2019-20/W4-AK-CA1 Date: 11-11-2019

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	98.30	85-100	90 - 100
10 mm	32.75	0 - 20	25 - 55
4.75 mm	3.80	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	24.37 %	Not to exceed 25 %
2.	Crushing value	27.64 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

NEWZEN CONSULTANT * BANGALORE *

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EMAIL:newzen576@gmail.com

NC/QC/YD/2019-20/W4-AK -K2 Date: 23-12-2019

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.33	22..59	22.64	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.29	22.05		
3	003	3.37	23.24		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.46	4.56
2	002	4.62	
3	003	4.59	

NEWZEN CONSULTANT * BANGALORE *

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NC/QC/YD/2019-20/W4-AK -K3

Date: 26-12-2019

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}

Ref.: Material testing/PMC/19-20,

Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.31	22.35	23.02	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.41	23.74		
3	003	3.36	22.98		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.64	4.42
2	002	4.20	
3	003	4.43	

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NC/QC/YD/2019-20/W4-AK –CS1

Date: 30-12-2019

TEST REPORT

Sub: Testing of Grey Colour Pre-cast Paver Blocks of thickness 60mm.
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	37.60	37.90
2	002	38.90	
3	003	37.20	

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.41	4.44
2	002	4.36	
3	003	4.55	

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NC/QC/YD/2019-20/W4-AK –CS3

Date: 06-01-2020

TEST REPORT

Sub: Testing of Grey Colour Pre-cast Paver Blocks of thickness 60mm.
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	38.70	39.50
2	002	40.15	
3	003	39.640	

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.31	4.47
2	002	4.64	
3	003	4.45	

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NC/QC/YD/2019-20/W4-AK-GSB1 Date: 22-11-2019

TEST REPORT ON GRANULAR SUBBASE MIX
(GRADATION TEST)

Sub: To conduct tests on GSB (Grade-V) mix.
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20.
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

TEST RESULTS

1. **Gradation Test:**

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
75.00	100.00	100
53.00	98.60	80-100
26.50	83.10	55-90
9.50	51.95	35-65
4.75	36.20	25-50
2.36	12.70	10-20
0.85	8.85	2-10
0.425	3.40	0-5

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Page No. 1/2,

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NC/QC/YD/2019-20/W4-AK-C2 Date: 25-11-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	189 min	Shall not be less than 30 min
2	Final setting time	295 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.81 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	1.96 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.97 N/Sq mm	Shall not be less than 27 N/Sqmm

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NC/QC/YD/2019-20/W4-AK-PCC1 Date: 25-11-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Improvements to roads and drains at SC/ST area of Ambedkarnagara, Kanakanagara and surrounding areas in Ward No. 04 of Yelahanka Sub division.}
Ref.: Material testing/PMC/19-20,
Report Required for: Assistant Executive Engineer,
Yelahanka Satellite Town Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s Technical Manager (West) KRIDL, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	58.35	0 -20	30- 70
10mm	21.80	0 -5	10- 35
4.75mm	4.05	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	99.30	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	85.20	60-95	75-100	85-100	
01.18	76.85	30-70	55-90	75-100	
600.mic	57.10	15-34	35-59	60-79	
300.mic	14.40	5-20	8-30	12-40	
150.mic	6.55	0-10	0-10	0-10	

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